



October 1, 1993

Ms. Liza Montalvo
Residual Project Manager
Kentucky/Tennessee Section
U. S. Environmental Protection Agency
Region IV
345 Courtland Street, N. E.
Atlanta, Georgia 30365

**Re: Report of Field Observation - FY 94, First Quarter (FY94-1Q),
Lees Lane Superfund Site, Jefferson County, Kentucky,
Administrative Order on Consent, USEPA Docket No. 91-32-C**

Dear Ms. Montalvo:

In accordance with Paragraph 11, under the heading Reporting Requirements, of the subject Consent Order and Attachment 1, Operation and Maintenance Plan For Post-Removal Site Control at the Lees Lane Landfill Site, I am enclosing one (1) copy of the Report of Field Observation (Appendix J), identified as Observation Report No. FY93-3Q, for your information and files.

Please advise if you have any questions concerning the attached Report of Field Observation for FY93-3Q.

Very truly yours,

A handwritten signature in cursive script, appearing to read "C. A. Neumayer".
C. A. Neumayer
Director of Operations

CAN/dc
CAN30.8S

cc: Kentucky Natural Resource Environment Protection Cabinet
ATTN: Mr. Rick Hogan, Division of Waste Management
G. R. Garner, Executive Director
File WD-2 (Lees Lane M&M Quarterly)

DOCUMENT CONTROL NUMBER 4480-83-AGUZ



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REPORT OF FIELD OBSERVATION
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No: FY 94 - 10 Date of Observation: 09/16/93
 Time Arrived Onsite: 9:35 a.m. Time Departed Site: 11:25 a.m.
 Field Personnel: C. A. Neumayer, Director of Operations and R. H. Watkins,
 Support Services Administrator, Maintenance Division

Section A: General Site Conditions

Observation:	Yes*	No	Not Observed	Comment No.
1. Major settlement of topsoil or erosion exposing waste/fill material	—	<u>X</u>	—	<u>A-1</u>
2. Evidence of leachate seepage	—	<u>X</u>	—	—
3. Distressed Vegetation	—	<u>X</u>	—	—
4. Pot holes, erosion of access road	<u>X</u>	—	—	<u>A-4</u>

Section B: Institutional Controls

Observation:	Yes*	No	Not Observed	Comment No.
1. Structural problem with Lee's Lane gate or barricade	—	<u>X</u>	—	—
2. Structural problem with Putman Ave. barricade	<u>X</u>	—	—	<u>B-2</u>
3. Lee's Lane gate unlocked	—	<u>X</u>	—	—
4. Broken or missing lock	—	<u>X</u>	—	—

Section C: Gas Collection System

Observation:	Yes*	No	Not Observed	Comment No.
1. Vandalism to blower house, wells, or moisture traps	—	<u>X</u>	—	<u>C-1</u>
2. Structural damage to blower house	—	<u>X</u>	—	<u>C-2</u>
3. Blower not operating or visible damage	—	<u>X</u>	—	—
4. Blower house not secure and unclean	—	<u>X</u>	—	—

Observation:	Yes*	No	Not Observed	Comment No.
5. Service box lids not in place	—	X	—	—
6. Alarm and blower controls not functioning	—	X	—	—
7. Settlement or tilting of well/moisture trap concrete collars	X	—	—	C-7
8. Well/moisture trap covers missing or damaged	—	X	—	—
9. Excessive vegetation covering wells/moisture traps	—	X	—	—
10. Adjustment valve inaccessible	—	X	—	C-9
11. Well/moisture trap caps, plugs, and piping missing or damaged	X	X	—	C-11
12. Blower house and well/moisture trap signs missing or damaged	X	—	—	C-12

Section D: Groundwater & Gas Monitor Wells

Observation:	Yes*	No	Not Observed	Comment No.
1. Wells unlocked	—	X	—	—
2. Guard posts and rails missing or damaged	X	X	—	D-2
3. Protective casing missing, damaged or rusted	—	X	—	—
4. Concrete pads damaged or cracked	—	X	—	D-4
5. Possible surface water infiltration into wells	—	X	—	—
6. Excessive vegetation or debris around wells	—	X	—	D-6
7. Well cap missing or damaged	—	X	—	—
8. Tubing, fittings, and valves missing or damaged (gas wells only)	—	—	X	D-8

Section E: Bank Protection Controls

Observation:	Yes*	No	Not Observed	Comment No.
1. Subsidence of slope, sloughing or caving	—	X	—	—
2. Erosion of rip-rap or underlying material	—	—	X	E-2
3. Abnormally damp areas, wet ground vegetation	—	X	—	—
4. Soft spots in surface	—	X	—	—
5. Seepage, water flow, piping, or sand boils	—	X	—	—
6. Undermining of rip-rap	—	X	—	—
7. Vegetative growth on rip-rap slope	X	—	—	E-7
8. Buildup of trash and debris on rip-rap	X	—	—	E-8
9. Exposed trash or filter fabric	—	X	—	—
10. Tilting trees	—	X	—	—
11. Tension cracks	—	X	—	—
12. Survey monuments missing or damaged	—	X	—	—

Section F: Surface Waste Cleanup/Cover

Observation:	Yes*	No	Not Observed	Comment No.
1. Swales greater than 1 foot wide and 2 inches deep	—	X	—	F-1
2. Cracks greater than 1 inch wide and 6 inches deep	—	X	—	F-2
3. Areas of erosional damage to grass	—	X	—	—
4. Inadequate grass cover (area > 36 ft ²)	—	X	—	—
5. Ponded water (area larger than 2 feet in diameter and 3 inches deep)	—	X	—	—
6. Erosion or ponded water greater than 12 inches deep (requires immediate repair)	—	X	—	—

* If yes, assign a comment no. in the last column and follow instructions on comment sheet.

REPORT OF FIELD OBSERVATION
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No. FY94- 1Q Date of Observation: 09 / 16 / 93

Instruction: If any item is checked yes, provide details of the problem and maintenance recommendations below and indicate the location deficiency on the site map provided.

Comment No:	Comment
A-1	Observed rutted area in the vicinity of Gas Collection Well No. 6 and several places on the levee roadway. No waste landfill material exposed at the Well No. 6 location.
B-2	Conditions observed in the vicinity of the Putman Avenue barricade were the same as those seen during the prior quarterly observation. It was noted that the additional security cable installed by MSD force account has prevented unauthorized entry to the site.
C-1	Observed no evidence of small arms fire damage to the exterior surface of the blower house.
C-2	No structural damage to the blower house was observed at the time of the inspection.

Comment No.	Corrective Action Performed
A-1	Rutted area in the vicinity of Gas Collection Well No. 6 will be filled as well as depressions on the levee roadway as part of MSD's floodwall protection levee maintenance activities.
B-2	No corrective action required.
C-1	No corrective action required.
C-2	No corrective action required.

REPORT OF FIELD OBSERVATION
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No. FY 94 - 10 Date of Observation: 09/16/93

Instruction: If any item is checked yes, provide details of the problem and maintenance recommendations below and indicate the location deficiency on the site map provided.

Comment No:	Comment
C-7	Observed several gas collection well and moisture trap collars damaged because of site mowing activities as previously reported during prior quarterly observations.
C-9	Mowing and trimming of vegetation adjacent to well and moisture traps has improved since the prior quarterly observation.
C-11	Need to verify vacuum conditions on the well field piping system. Discussions with MSD's Urban Area Maintenance Administrator indicates that a vacuum does not exist on collection wells No. 1 through 14, inclusive.
C-12	Observed MSD maintenance forces have completed installation of new well and moisture trap markers for wells No. 3 through 23, inclusive. Remaining 10 wells require installation of new markers.

Comment No.	Corrective Action Performed
C-7	Damage to concrete well and moisture trap collars to be scheduled for repair or replacement following installation of the remainder of the new markers for gas collection system.
C-9	No corrective action required.
C-11	A vacuum testing will be rescheduled and conducted to verify which wells are not functioning. Following verification, selective exploratory excavation work will be done to expose several well heads and moisture traps in order to determine problems causing the lack of vacuum on the wells.
C-12	Corrective action in progress. Estimate installation of remaining steel markers for the gas collection system to be completed by the end of FY 94, 2nd quarter. All well and moisture trap markers need to be stenciled with appropriate identification numbers.

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Observation Report No. FY 94 - 10 Date of Observation: 09/16/93

Instruction: If any item is checked yes, provide details of the problem and maintenance recommendations below and indicate the location deficiency on the site map provided.

Comment No:

Comment

D-2	Observed a portion of horizontal guardrail missing on Gas Well No. 1.
D-4	Observed noticeable damage and cracking to concrete seal pads on groundwater monitoring wells 1, 2 and 3.
D-6	Observed that excessive vegetative growth seen around all groundwater and gas monitoring wells during the previous quarterly inspection had been cut.
D-8	Condition of tubing and fittings and gas monitoring wells could not be observed because all security locks were in place.
E-2	Unable to observe any erosion of riprap or underlying material because of excessive vegetative growth.
E-7	Observed evidence of spotty areas of vegetative growth in the upper portion of the riprap section protecting the river bank portion of the clay cap area in the central track of the landfill site.

Comment No.

Corrective Action Performed

D-2	Repair to guardrail on Gas Well No. 1 to be scheduled during FY 94, 2nd quarter.
D-4	Cracked concrete monitoring well seal pads should be removed and new concrete pads placed, weather permitting, by the end of FY 94, 2nd quarter.
D-6	No corrective action required.
D-8	No corrective action required.
E-2	Arrangements will be made to spray excessive vegetation growth in riprap section with herbicide during FY-94, 2nd or 3rd quarter.
E-7	See E-2 above.

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Observation Report No. FY 94 - 10 Date of Observation: 09/16/93

Instruction: If any item is checked yes, provide details of the problem and maintenance recommendations below and indicate the location deficiency on the site map provided.

Comment No:

Comment

E-8	Observed evidence of drift debris deposited by high Ohio River water levels. Drift has been deposited on the lower portion of the riprap section of the clay cap bank.
F-1	Observed the major surface drainage swale starting at the crossing of the cap access road and discharging at the top of the riprap section. The drainage swale was observed to be in satisfactory condition with no erosion evident or standing water between the access road and the riprap section.
F-2	Observed no noticeable cracks in the clay cap area.

Comment No.

Corrective Action Performed

E-8	No correction action proposed to remove drift from the riprap section of the clay cap area because of the lack of proper access. Drift debris is not causing any problems at this time.
F-1	Will continue to monitor major drainage swale at quarterly intervals for any significant evidence of erosion or standing water.
F-2	No corrective action required.

REPORT OF FIELD OBSERVATION
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No. FY 94 - 10 Date of Observation 09/16/93

Site Map

N/A

Signature of Observer:

Carl A. Neumayer

Date: Oct. 1, 1993